

CLAIMS

1. Axial angle disk formed in one piece, adapted for use in a thrust bearing, the axial angle disk comprising: a radial segment that forms a raceway to which at least one axially bent part is connected that is provided at at least one point on a periphery thereof with a holding projection that protrudes radially, the projection being adapted to engage an associated component from behind so that a captive packaged unit made up of the axial angle disk and the component is formed, and/or is adapted to engage in an associated recess of a connected construction so that a captive packaged unit made up of the axial angle disk and the connected construction is formed, the holding projection having a path that climbs at an angle in a direction of assembly, and having at an end thereof a sloping edge that falls away in a radial direction,

wherein the holding projection (2.2.1, 5.2.1, 8.2.1, 8.3.1) is formed by a stamping, and an uninterrupted material connection is formed between the bent part (2.2, 5.2, 8.2, 8.3) and the holding projection (2.2.1, 5.2.1, 8.2.1, 8.3.1), the projection height, extending in the radial direction, has a maximum size s of $2/3$ of a wall thickness b of the axially bent part (2.2, 5.2, 8.2, 8.3), and the holding projection (2.2.1, 5.2.1, 8.2.1, 8.3.1) has a rounded shape.

2. Axial angle disk (2) as recited in Claim 1, wherein the axially bent part (2.2) is situated at an outer peripheral end of the radial segment (2.1), and the holding projection (2.2.1) engages a cage (3.2) from behind, so that a thrust bearing (1) is formed that is made up of the axial angle disk (2) and the cage (3.2).

3. Axial angle disk (5) as recited in Claim 1, wherein the axially bent part (5.2) is situated on an inner peripheral end of the radial segment (5.1), and the holding projection (5.2.1) engages in an associated recess (7.1, 7.3) of a housing (7), so that a captive packaged unit is formed that is made up of a thrust bearing (4) and

INA-PT082
(4038-18-US)

the housing (7).

4. Axial angle disk (2, 5, 8) as recited in Claim 1, wherein there are a plurality of holding projections (2.2.1, 5.2.1, 8.2.1, 8.3.1) that are situated at a plurality of peripheral points that are spaced uniformly from one another.

5. Axial angle disk (5) as recited in Claim 1, wherein the holding projection (5.2.1) engages in a circumferential groove (7.1, 7.3).

6. Axial angle disk (5) as recited in Claim 5, wherein the groove (7.1, 7.3) has a rectangular or a triangular path in a longitudinal cross-section.